The art of design, which chooses that the things we use shall look as they do, has a very much wider and more sustained impact than any other art. Everyone is exposed to it all day long. Indeed, in towns there is hardly anything in sight except what has been designed. The man-made world, our environment, is a work of art, all of it, every bit of it. But not all good.
6 Requirements of Design:

1. It must correctly embody the essential principle of arrangement

2. The components of the device must be geometrically related

3. The components must be strong enough to transmit and resist process as the intended
6 Requirements of Design:

4. Access must be provided (as relates to 2)

5. The cost of the result must be acceptable

6. The appearance must be acceptable